

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Replacement Sheet

RECEIVED  
OCT 29 2003  
TECH CENTER 1630/2900

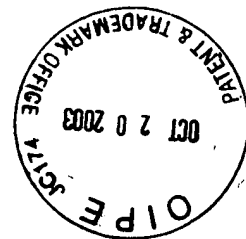
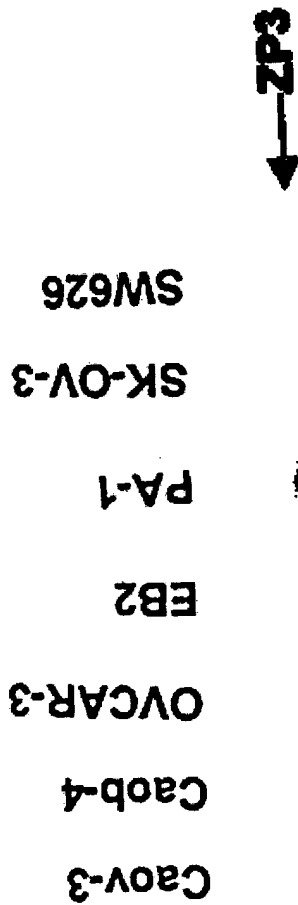


Fig. 1



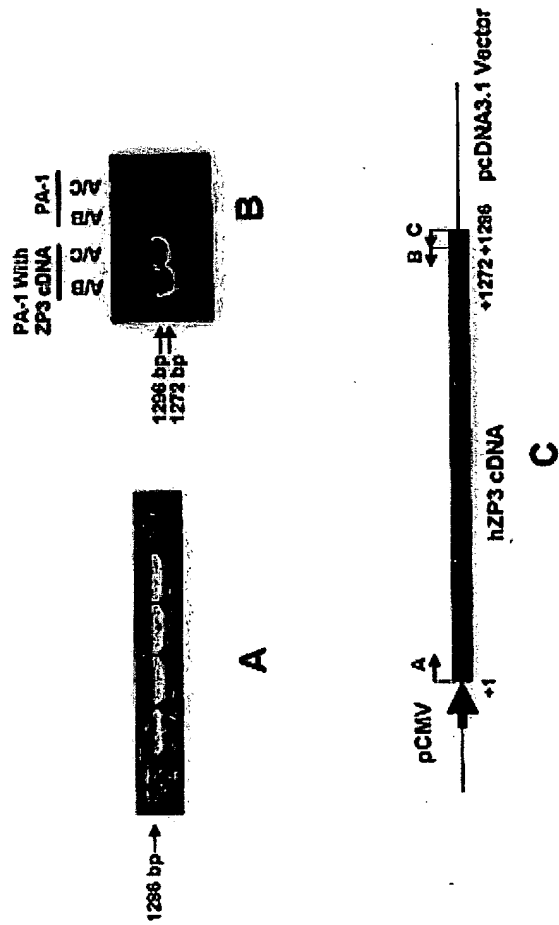


Fig. 2

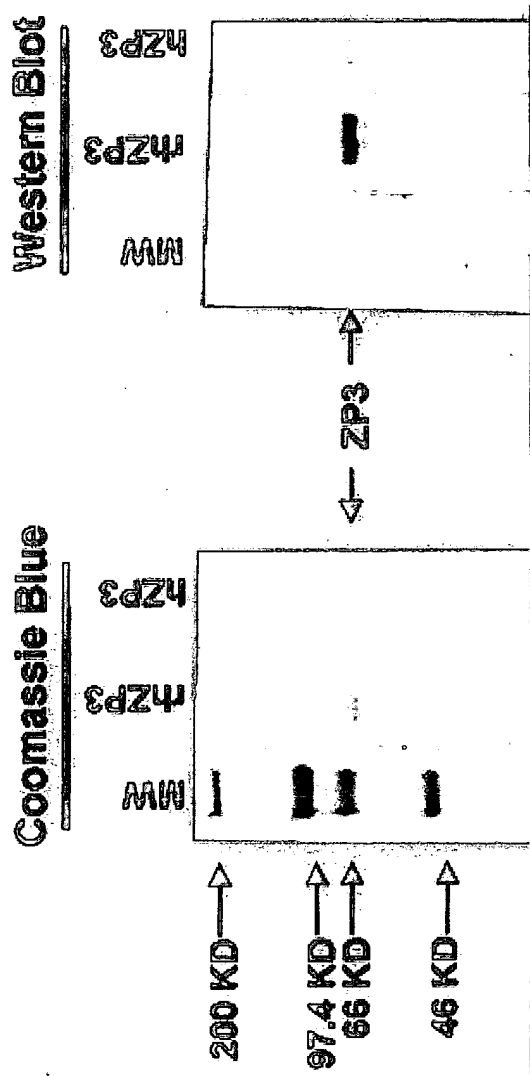
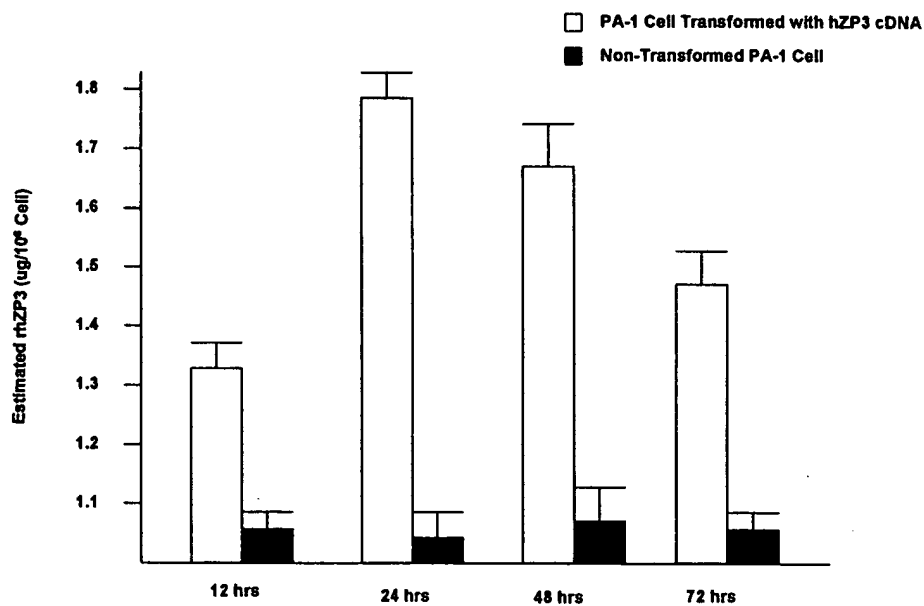


Fig. 3



# Replacement Sheet

**FIGURE 4**



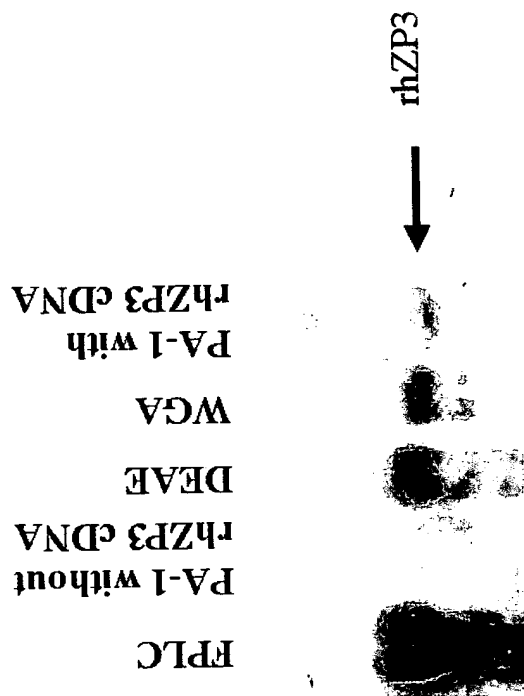


Fig. 5

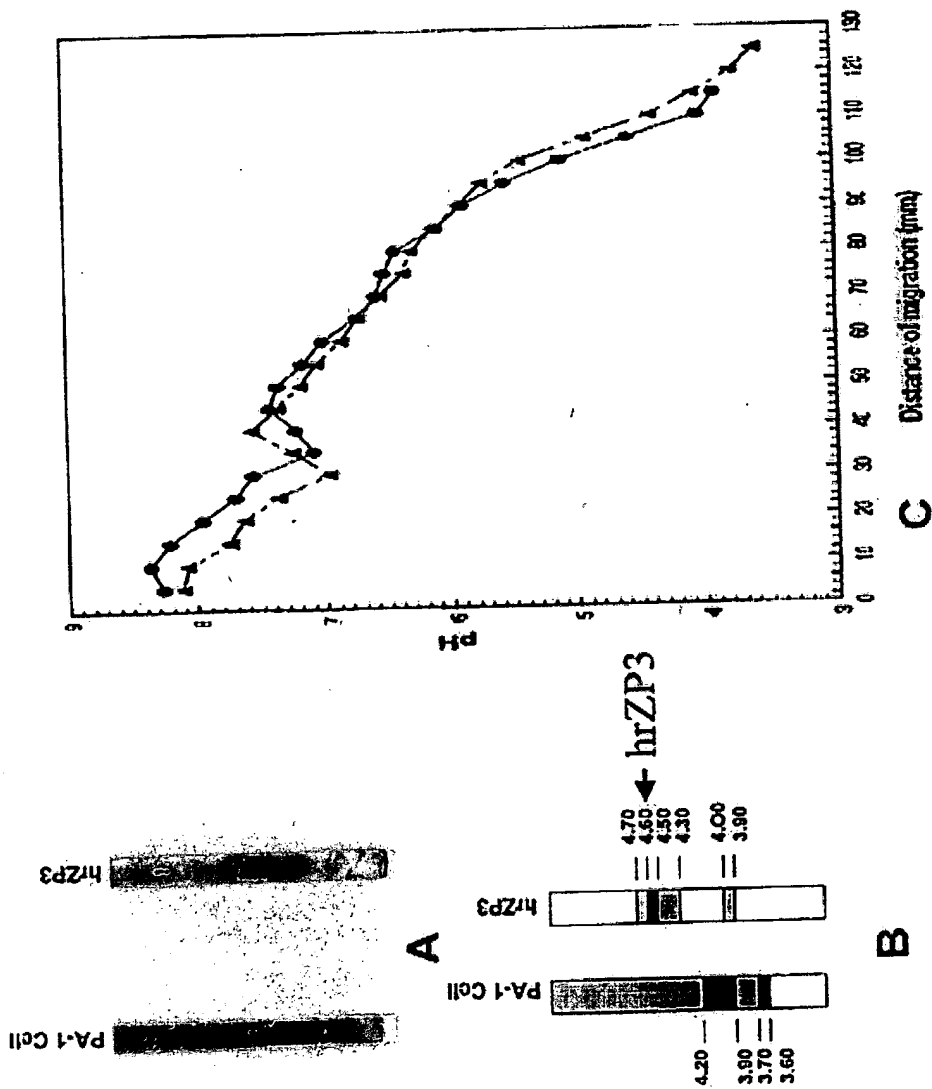
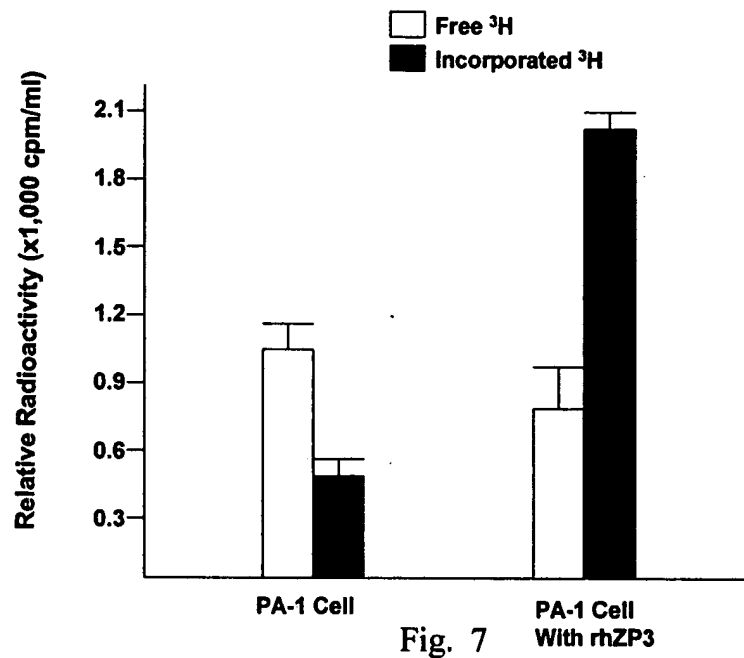


FIGURE 6



# Replacement Sheet

**FIGURE 7**







Replacement Sheet

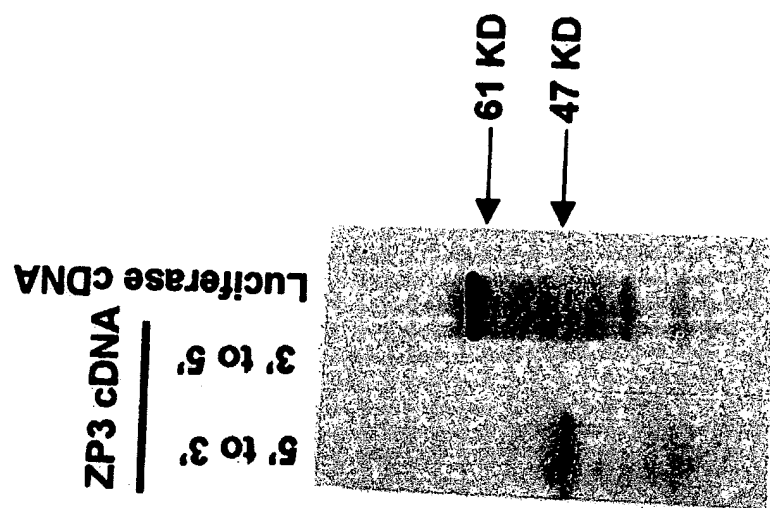
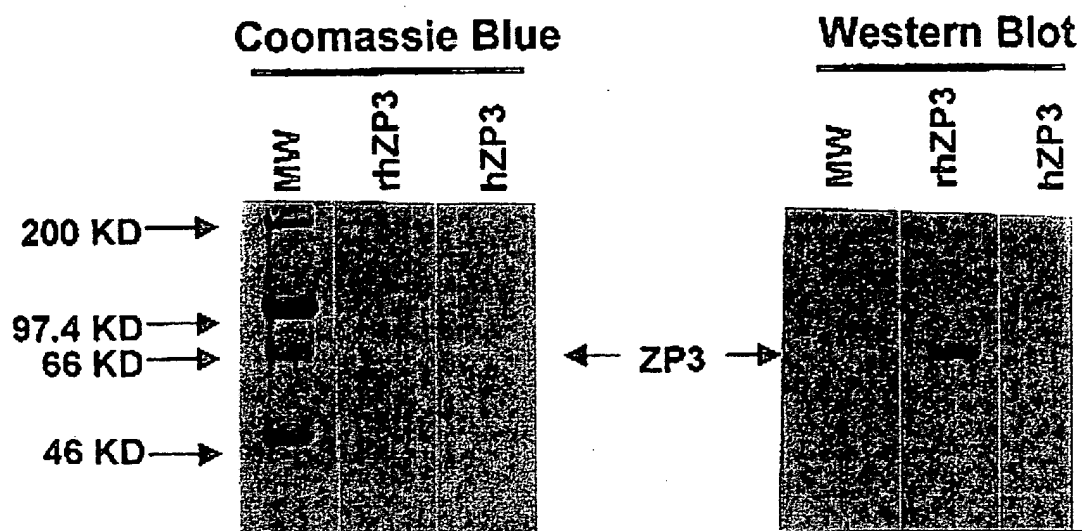


Fig. 8



# Replacement Sheet

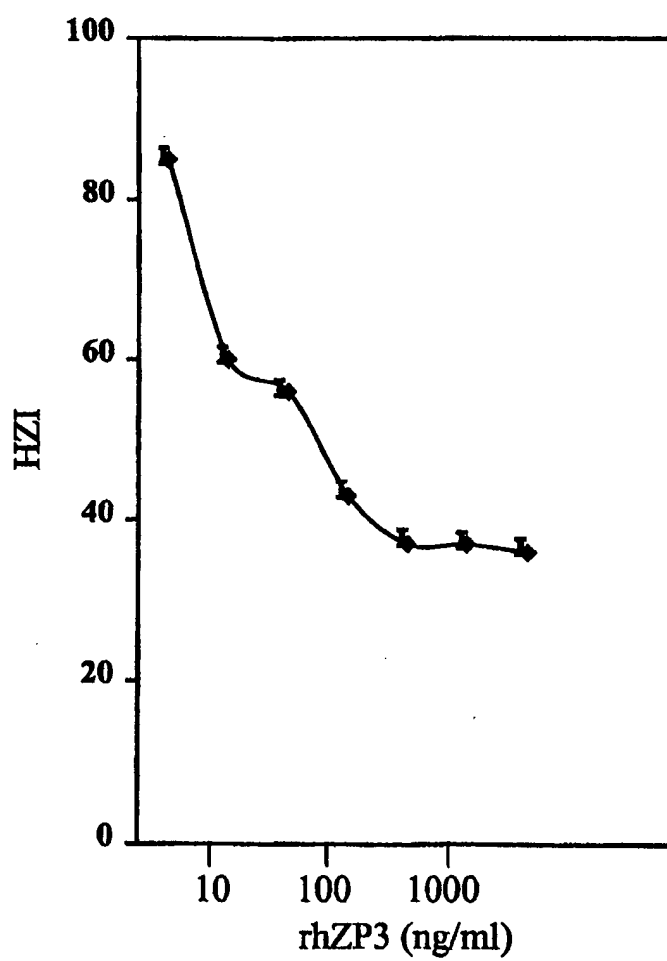


**FIGURE 9**



# Replacement Sheet

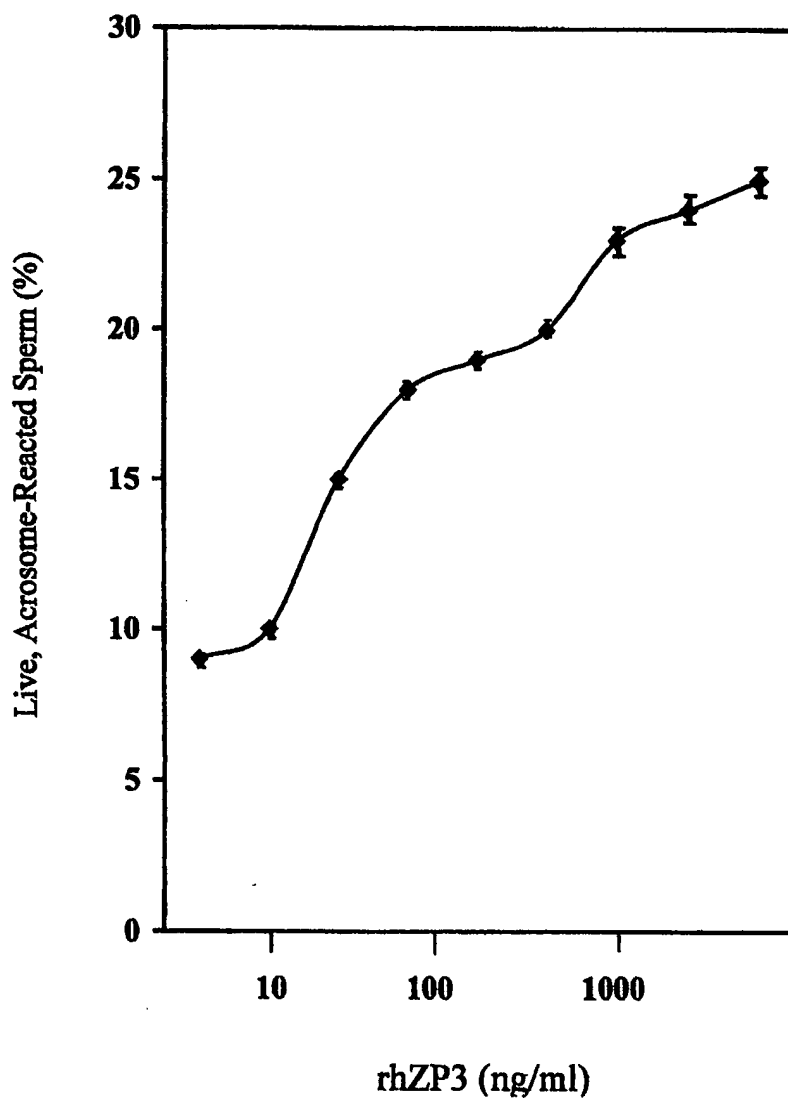
FIGURE 10





# Replacement Sheet

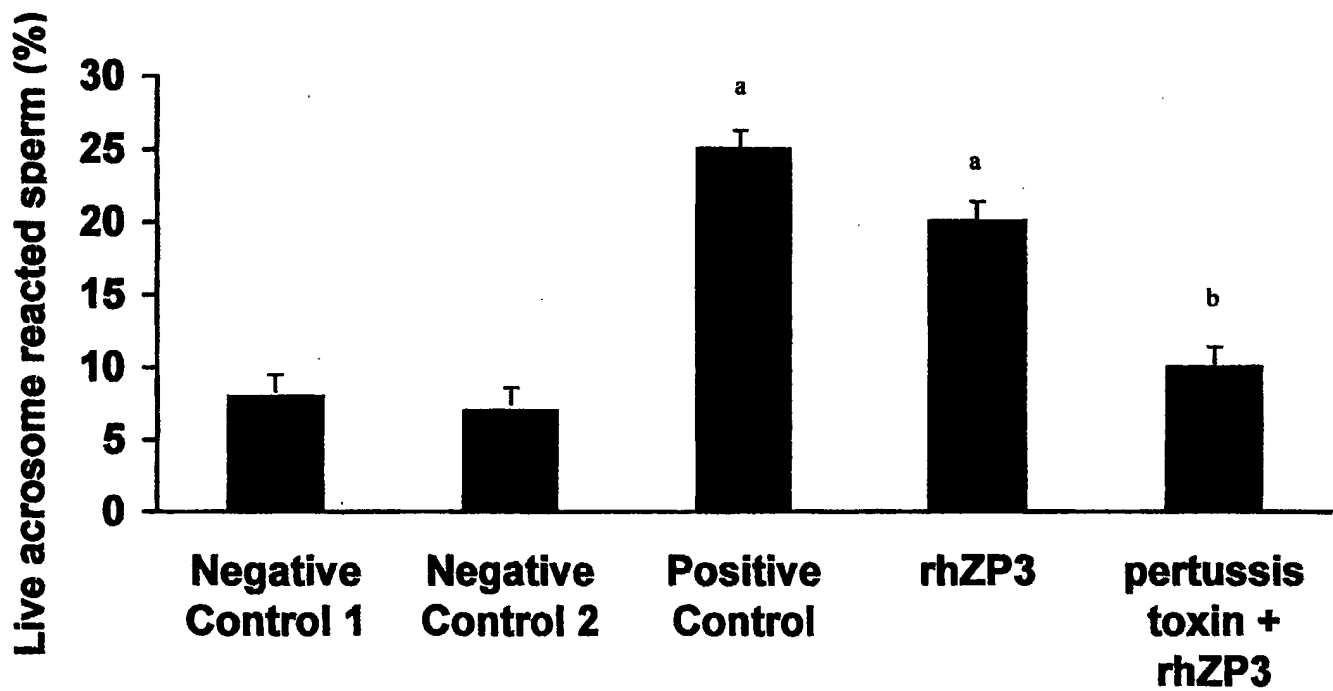
FIGURE 11





## Replacement Sheet

FIGURE 12



a  $p < 0.05$  compared to negative controls

b not significant compared to negative control